

Please add the following new claims:

<sup>13</sup>  
~~1.~~ A DNA having the nucleotide sequence shown in SEQ ID NO: 2 which corresponds to the amino acid sequence of a membrane-type matrix-metalloproteinase characterized by a continuous sequence of hydrophobic amino acids peculiar to membrane-binding proteins from amino acid number 533 to 562 in the C terminus domain shown in SEQ ID NO: 1, having the amino acid sequence from amino acid number 160 to 173, 320 to 333 and from 498 to 512 shown in SEQ ID NO: 1 or having the amino acid sequence from amino acid number 1 to 173, 320 to 333, 498 to 512 and 563 to 582 shown in SEQ ID NO: 1.

<sup>14</sup>  
~~2.~~ A plasmid containing a DNA according to claim <sup>13</sup>~~1~~ having the nucleotide sequence shown SEQ ID NO: 2.

<sup>15</sup>  
~~3.~~ A host cell harboring a plasmid according to claim <sup>14</sup>~~2~~ containing a DNA having the nucleotide sequence shown in SEQ ID NO: 2.

<sup>16</sup>  
~~4.~~ Antibodies which specifically recognize a membrane-type matrix-metalloproteinase characterized by a continuous sequence of hydrophobic amino acids peculiar to membrane-binding proteins from amino acid number 533 to 562 in the C terminus domain shown in SEQ ID NO: 1, having the amino acid sequence from amino acid number 160

to 173, 320 to 333 and from 498 to 512 shown in SEQ ID NO: 1 or having the amino acid sequence from amino acid number 1 to 173, 320 to 333, 498 to 512 and 563 to 582 shown in SEQ ID NO: 1.

17  
6. Antibodies according to claim 4, wherein said antibodies are monoclonal antibodies.

18  
8. A DNA having the nucleotide sequence shown in SEQ ID NO: 2 which encodes a protein having the amino acid sequence shown in SEQ ID NO: 1.

19  
7. A plasmid containing a DNA having the nucleotide sequence shown in SEQ ID NO: 2, expressing the protein shown in SEQ ID NO: 1.

20  
9. A host cell harboring a plasmid containing a DNA having the nucleotide sequence shown in SEQ ID NO: 2, and expressing the protein shown in SEQ ID NO: 1.

21  
10. Antibodies which specifically recognize a protein having the amino acid sequence shown in SEQ ID NO: 1.